

**Patent** [19]

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**[54] PHOTOCATALYST FILTER, INDOOR UNIT, AND AIR-CONDITIONER**

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[51] Int. CL<sup>7</sup> F24F01328**[57] ABSTRACT**

**PROBLEM TO BE SOLVED:** To provide an indoor unit to execute various kinds of air cleaning, such as deodorization, antibacteria, and dust collection.

**SOLUTION:** An indoor unit 10 comprises a fan to suck indoor air through an air inlet and blow indoor air through an air outlet; an indoor heat-exchanger to effect heat-exchanger between the indoor air and a refrigerant supplied from an outdoor unit; a filter member 18 disposed between the air inlet and the indoor heat-exchanger; and an indoor unit control part 30 consisting of various electric circuit elements. A filter member 18 consists of a photocatalyst filter 50 and an air cleaning filter 60.

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